CENTRE OF STUDIES
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MATERIALS MANAGEMENT ON REFURBISHMENT PROJECT IN KLANG VALLEY

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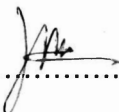## (2013404688)

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CANDIDATE'S DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA (UiTM). It is original and is the result of my own work, unless otherwise indicated or acknowledge as referenced work.

In the event that my thesis be found to violate the conditions mention above, I voluntarily waive the right of conferment of my degree and agree be subjected to the disciplinary rules and regulation of Universiti Teknologi MARA (UiTM).

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ABSTRACT

Technological changes and developments nowadays have shown that the buildings fully equipped with various facilities can be categorized as intelligent building. Due to technology changes and develops, the intelligent buildings building also have evolved over time to time. The intelligent buildings in Malaysia have been built over the years since the government introduces the Multimedia Super Corridor in 1996. The government's 2020 version motivate for more intelligent building with innovative technology will develop for major base economic activities and improve the efficiency business of the multinational and local companies.

This research analysed the public perception towards intelligent buildings in Malaysia by investigate the knowledge, understanding, experiences and opinion on the intelligent building among the public in Klang Valley. To be able to gather the necessary data, the researcher are need to use a several method to spread the information for more detail about the intelligent building systems. The survey methods were questionnaire survey, non-structured interview and analysis contents. The research will cover the following: the research design and method, the respondents or subjects to be studied which will include the sampling method, the data collection, and the data analysis.

Abstracts

Materials management is a main component in processing the planning and controlling the construction project. Materials management system is implement in construction project is to avoid any disturbance while the project is running. Materials management systems are very important in terms of quality of materials selected from a trusted supplier. However, there is always a matter arising in construction work such as delay, broken materials, wastage, limited space, tracking and locating the materials etc. with the problem arising in construction site the materials management system can executed with the optimum efficiency to decrease any problem on site.

The aim of this research is to improving the method in planning and handling the materials management for refurbishment project. The aim is to ensure the materials on construction site in managed well to give a smooth process of construction process without any problem occur. Also, this research have three objective to achieve the research firstly is to study the materials management at site refurbishment project. Secondly, to identify based on worker opinion towards materials management at refurbishment project. Lastly, give recommendation and the effective ways of materials management problem on refurbishment site.

The research methodology has been discussed in chapter 3. The research methodology is executed to gain the valuable information from to main sources the primary data and secondary data. The primary data is involved the interviews session between the researcher and employer specifically project manager, site engineer, contractor and site supervisor who conducted the materials management. The research finding is visit three case study from refurbishment project to gather data analysis regarding the materials management system.

The secondary sources are included the sources from book, journal and internet regarding the materials management issue. Also, identify the materials management system in Malaysia through articles and journal. This research methodology has three stages to achieve the research aim and objective and to gather the information from three case studies.

In chapter 4 the materials management information has been collected by the interviews in three case studies which is Dewan Bahasa dan Pustaka, Summit USJ Subang and Bangsar Trade Centre. All of the case studies has been analysed to finding the problem occur in construction site regarding the materials management. However, all of the case studies have implement the materials management but still having a problem with the space to placing the materials on site and insufficient space for storage.

Materials management is the main factor on movement of construction work. The materials should be properly planning and handling to avoid delay on construction schedule. The project manager is responsible on managing the construction materials, if any problems occur regarding the materials project manager will take a risk and covering the entire problem immediately.